

# INDEX AMBIO VOLUME XVII 1988

## Issue No. 1

Eutrophication of Lakes and Reservoirs: A Framework for Making Management Decisions

W. Rast and M. Holland

The Sensitivity of Coral Reefs to Environmental Pollution

D. H. H. Kuhlmann

Delayed Nutrient Responses to the Liming of Lake Gårdsjön, Sweden

O. Broberg

Depressed Mercury Levels in Biota from Acid and Metal Stressed Lakes Near Sudbury, Ontario

C. D. Wren and P. M. Stokes

Human Health and Trace Elements Including Effects on High-Altitude Populations

G. V. Iyengar and A. R. Gopal-Ayengar

Concentrations of Trace Metals in the Qiantang-Jiang River and Its Estuary, Southern China

J. Zhang and W. W. Huang

Survey of Woody Biomass on Farms in Western Kenya

P. N. Bradley

Large-Scale Deforestation in the Southeastern Amazon Basin of Brazil

J.-P. Malingreau and C. J. Tucker

Changes in Soil Acidity in Two Forest Areas with Different Acid Deposition: 1920s to 1980s

C. O. Tamm and L. Hallbäck

Mountain Pine Beetle-Lodgepole Pine Interactions and Strategies for Reducing Tree Losses

G. D. Amman and R. F. Schmitz

## SYNOPSIS

Aid That Works

L. Behan

The Need to Revise Radiation Risk Estimates

F. Barnaby

Central American Environmentalists Call for Action on the Environment

T. Whelan

Kuril Seal—Present Status in Japan

S.-I. Hayama

## BOOK REVIEW

The State of the Environment

B. Hubendick

The Global Water Cycle, Geochemistry and Environment

B. Allard and M. Falkenmark

## Issue No. 2

Ecosystem Redevelopment

P. Brinck, L. M. Nilsson and U. Svedin

Redevelopment of Lake Ecosystems—A Case-Study Approach

S. Björk

Baltic Europe, Great Lakes America and Ecosystem Redevelopment

R. Serafin and J. Zaleski

Institutions and Ecosystem Redevelopment in Great Lakes America with Reference to Baltic Europe

G. Francis

Importance of the Nearshore Area for Sustainable Redevelopment in the Great Lakes with Observations on the Baltic Sea

H.J. Harris, V.A. Harris, H.A. Regier and D.J. Rapport

Rehabilitative Redevelopment of the Fish and Fisheries of the Baltic Sea and the Great Lakes

H.A. Regier, P. Tuunainen, Z. Russek and L.-E. Persson

Energy Analysis Approach to Ecosystem Redevelopment in the Baltic Sea and Great Lakes

A. M. Jansson and B.-O. Jansson

Recultivation of the Spoil Banks Created by Open-Cut Mining Activities in Hungary

J. Szegi, J. Oláh, G. Fekete, T. Halász, G. Várallyay and S. Bartha

Degradation and Rehabilitation of Agropastoral Land—Perspectives on Environmental Change in Semiarid Tanzania

C. Christiansson

## SYNOPSIS

Greening the City: Greening the World

K. Dunster and J. Dunster

Progress of the Biosphere Reserve Program

N. Shelton

Dramatic Changes in Baltic Sediments During the Last Three Decades

P. Jonsson and B. Jonsson

Acid Rain: UK Policies

F. Barnaby

## Issue No. 3

Overview of Environmental Problems in the East Asian Seas Region

E. D. Gomez

Coastal and Marine Resource Management in the Strait of Malacca

P. R. Burbridge

Heavy Metals and Other Non-Oil Pollutants in Southeast Asia

M. Hungspreugs

Synopsis: Hydrodynamic and Oil-Spill Modelling for the East Asian Seas Region

A. Siripong

Synopsis: Living on an Oil Highway

P. L. Couturier

Coral Reefs of the ASEAN Region: Status and Management

J. W. McManus

Effects of Marine Reserves on Coral Fish Abundances and Yields of Philippine Coral Reefs

A. C. Alcala

The Overfishing of Marine Resources: Socioeconomic Background in Southeast Asia

D. Pauly and Chua Thia-Eng

Mangroves and Seagrass Beds of East Asia: Habitats Under Stress

M. D. Fortes

Synopsis: The UNEP/UNESCO Mangrove Programme in Asia and the Pacific

M. Vanucci

Conservation in Indonesia

H. Haeruman

Coastal Tin Mining and Marine Pollution in Thailand

H. Changsang

Coastal and Marine Resources of Thailand—Emerging Issues Facing an Industrializing Country

P. Ruyabhorn and D. Phantumvanit

Synopsis: Environmental Improvement in Singapore

Kuan Kwee Jee

Legislative Response to Marine Threats in the ASEAN Subregion

A. S. Tolentino, Jr.

## SYNOPSIS

Debt-for-Nature Swaps: Fad or Magic Formula?

D. Page

Misperceptions of Deforestation in Haiti: Problems of Available Data and Methodology

R. R. Pellek and P. R. Talbot

What Price Tehri Dam?

R. Rao

## BOOK REVIEW

The Ecology of Sumatra

N. Nykvist

## Issue No. 4

Mercury Contamination in the Amazon: A Gold Rush Consequence

L. A. Martinelli, J. R. Ferreira, B. R. Forsberg and R. L. Victoria

The Exercise of Coastal State Jurisdiction Over EEZ Fisheries Resources: The South Pacific Practice

B. M. Tsamenyi

Lake Acidification in Norway—Present and Predicted Chemical Status

A. Henriksen, L. Lien, T. S. Traaen, I. S. Sevaldrud and D. F. Brakke

Ecological Approach to Forest Decay in Hungary

P. Jakucs

Tropical Deforestation: Some Effects on Atmospheric Chemistry

T. J. Goreau and W. Z. de Mello

Land Conservation in Small Developing Countries: Computer Assisted Studies in Saint Lucia

E. Rojas, R. M. Wirthshter, J. Radke and R. Hosier

Silent Spring in the Sea

R. Rosenberg, O. Lindahl and H. Blanck

USAID's New Program to Conserve Biological Diversity

S. Fitzgerald

THE BARNABY REPORT

British Trade Unions and Nuclear Energy

F. Barnaby

## SYNOPSIS

Are Synergistic Effects of Acidification and Eutrophication Causing Excessive Algal Growth in Scandinavian Coastal Waters?

O. Sangfors

## US-SOVIET TELECONFERENCE

The United States-Soviet "Greenhouse/Glass-nest" Teleconference

P. H. Gleick

INTRODUCING: GLOBAL CHANGE NEWS

T. Rosswall

## Issue No. 5

Economic Development and Wildlife Conservation in Brazilian Amazonia

A. D. Johns

Modelling the Effects of Clearcutting on Runoff—Examples from Central Sweden

M. Brandt, S. Bergström and M. Gardelin

Redevelopment of a Degrading Forest System

G. L. Baskerville

Economic Growth and the Environment in Yugoslavia: An Overview

S. J. Kabala

Entropy, Pollution and Environmental Degradation

G. P. Glasby

Bhopal, Transnational Corporations and Hazardous Technologies

A. Rosencranz

Community Forestry: Policy Issues, Institutional Arrangements and Bureaucratic Reorientation

M. Sanwal

## SYNOPSIS

Use of Land-Slides as Environmental Archives: Preliminary Results

U. Gärdenfors, T. Westermark, U. Emanuelsson, H. Mutvei and H. Waldén

Environmental Problems of Delhi: Mounting Concern

B. Mangia

THE BARNABY REPORT

Leukaemia and Radiation; The State of the World Population; Refrigerants and the Ozone Layer

F. Barnaby

BOOK REVIEW

Ecology and Development in the Third World

A. Rapp

ANNOUNCEMENT

What is Sustainable Development?

GLOBAL CHANGE NEWS

Issue No. 6

Hazardous Chemicals in the Environment—Some New Approaches to Advanced Assessment

L. Landner

Experiences With Single-Species Tests for Acute Toxic Effects on Freshwater Animals

F. L. Mayer, Jr. and M. R. Ellersieck

Biochemical Methods for Detecting Effects of Contaminants on Fish

C. Haux and L. Förlin

Compensatory Mortality in Aquatic Populations: Its Importance for Interpretation of Toxicant Effects

R. C. Petersen Jr. and L. B.-M. Petersen

Disappearance of Bladder-Wrack (*Fucus vesiculosus* L. in the Baltic Sea: Relation to Pulp-Mill Chlorate

K.-J. Lehtinen, M. Notini, J. Mattsson and L. Landner

Test Systems and Exposure in the Aquatic Environment

W. M. J. Strachan

A Strategy for Evaluation of the Degradability of Organic Material in Complex Effluents

P. Lindgaard-Jørgensen

Effects of Oral Doses of the Herbicide Atrazine on Carp (*Cyprinus carpio*)

M. Cossarini-Dunier, A. Demétil, J. L. Riviere and D. Lepot

THE BARNABY REPORT

Groundwater Pollution; Homo Sapiens: Where Did We Come From?; Iran-Iraq War: The Use of Chemical Weapons Against the Kurds

F. Barnaby

SYNOPSIS

First Direction, then Velocity

J. R. Vallentyne

GLOBAL CHANGE NEWS

SYNOPSIS

Environmental Challenges: More Government or Better Governance?

N. Myers